

Maine Coastal Waters Conference

Monday, April 10, 2006
9:00 AM – 5:00 PM

Samoset Resort
Rockport, Maine



KEYNOTE SPEAKERS

David Townsend, *Professor of Oceanography and Director of School of Marine Sciences, University of Maine*
Evan Richert, *Associate Research Professor, Planning, Development & Environment, Muskie School of Public Service*
George Lapointe, *Commissioner, Maine Department of Marine Resources*

SPONSORED BY

- Maine Department of Environmental Protection
 - Maine Department of Marine Resources
 - Maine Sea Grant Program
- Maine State Planning Office, Coastal Program
 - The Nature Conservancy
- The Wells National Estuarine Research Reserve
 - US Geological Survey - Eastern Region
- US Fish & Wildlife Service / National Fish and Wildlife Foundation

Register online at <http://www.coastalwaters2006.com>

OVERALL CONFERENCE DESCRIPTION

The first Maine Coastal Waters Conference is a one-day forum highlighting the diversity, importance, condition, and management of Maine's coastal environments. The conference provides an opportunity for resource professionals, researchers, consultants, citizens, students, regulators, and planners to exchange information on coastal resource issues throughout the state. Experts will address the current status of Maine's coastal waters, major issues of concern to resource management and ecosystem sustainability, and trends for the future. Conference participants will find ample occasions during the day for informal discussion. This conference provides a forum for those who manage, study, and love the Maine coast to come together for one day – a day of learning about issues of concern and forging relationships directed toward a common goal of managing and protecting Maine's rich coastal resources.

WHO SHOULD ATTEND

- ◆ State, federal and municipal coastal managers
- ◆ Scientists
- ◆ Non-governmental organizations such as land trusts, coastal watershed groups
- ◆ Others who use scientific information for coastal decisionmaking

CONFERENCE STEERING COMMITTEE

- ◆ Friends of Casco Bay
- ◆ Maine Department of Environmental Protection
- ◆ Maine Department of Marine Resources
- ◆ Maine Sea Grant College Program
- ◆ Maine State Planning Office
- ◆ Town of Brunswick
- ◆ US Fish & Wildlife Service-GOM Program
- ◆ US Geological Survey
- ◆ Wells National Estuarine Research Reserve



CALL FOR POSTERS

Conference attendees are invited and encouraged to bring a poster highlighting the science or management of Maine's Coastal waters.

Guidelines:

1. Please include a **one paragraph abstract** of your poster with your conference registration.
2. Posters will be hung on the walls using masking tape so please be sure your poster is light enough to do this. Easels & tables are not available.
3. To plan the space and prepare a directory of posters for attendees, we would like to know by March 17th if you are bringing a poster.

DIRECTIONS TO THE SAMOSET (207-594-2511)

Route 1 until just north of Rockland. From the South and West: Turn right at traffic light onto Waldo Avenue (Littlefield Baptist Church), 1/2 mile down Waldo Avenue to Samoset Resort. From the North: Turn left onto Warrenton Street just past the Glen Cove Rest Area, 1 mile on Warrenton Street to the Samoset Resort entrance.

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Conference Agenda

7:30 – 9:00 AM	Registration and Continental Breakfast
9:00 – 9:15 AM	Welcome – Master of Ceremonies
9:15 – 10:15 AM	Morning Plenary Session: “Our Changing Coast” <i>The Plenary Session will discuss important ecological, demographic and management issues affecting Maine’s coastal waters, providing information cornerstones for the remainder of the day’s discussions. The plenary talks will provide the catalyst for scientists, managers, and members of the public together to focus on issues and solutions for the nearshore environment.</i> “Coastal Ecosystems” - David Townsend, <i>Professor of Oceanography and Director of School of Marine Sciences, University of Maine</i> “Demographic Patterns” - Evan Richert, <i>Associate Research Professor, Planning, Development & Environment, Muskie School of Public Service</i>
10:15 - 10:30 AM	Questions
10:30 - 11:00 AM	Break
11:00 – 11:45 AM	Morning Plenary Session, continued “Management of Maine’s Coastal Waters” – George Lapointe, <i>Commissioner, Maine Department of Marine Resources</i>
11:45 AM	Logistics – Master of Ceremonies
12:00 – 1:00 PM	Lunch
1:00 – 2:00 PM	Poster Viewing & Networking
2:15 - 4:15 PM	Afternoon Breakout Sessions
4:15 - 5:00 PM	Closing Reception

Program subject to change without notice



Afternoon Breakout Sessions

COASTAL HABITATS

1. Overview of Maine's Coastal Habitats
Megan Tyrell, Wells National Estuarine Research Reserve
2. Maine's Coastal Habitats: Primary Impacts and Management Issues
Michele Dionne, Wells National Estuarine Research Reserve
3. Legal Framework for Coastal Habitat Management & Protection
Speaker TBA
4. Management Options for Maine's Coastal Habitats: Casco Bay as a Model
Karen Young, Director, Casco Bay Estuary Partnership, USM Muskie School
5. Emerging Issues & Predictions for the Future
Peter Shelley, Conservation Law Foundation, MA Advocacy Center

SESSION DESCRIPTION:

Maine's coastal shoreline and waters are characterized by diverse habitats, including salt marshes, seagrass beds, tidal mud flats, rocky shores, kelp beds and mixing zones of tidal waters. These habitats support an abundance of animals, plants, and microbes inhabiting coastal waters. Intact coastal ecosystems sustain productive fisheries and provide a host of other functions such as cycling nutrients, filtering pollution, trapping sediments, storing carbon, buffering upland areas from storm damage, and providing recreation opportunities. Several centuries of development pressure has caused historical degradation and loss of some of Maine's natural coastal habitats, and numerous threats persist today. Direct impacts of physical alteration, indirect impacts of land management practices, and long-term impacts of a changing global climate all threaten the natural functions and values of these important resources. This session will explore the diversity of Maine's coastal habitats, the primary impacts and threats to these systems, and the legal framework for coastal habitat protection, regulation, and management. A case study will describe approaches to habitat management in Casco Bay as an example of integrated management options. The session will conclude with an examination of emerging topics of concern for Maine's coastal habitats and a panel discussion of habitat issues, management, and future needs.

DIADROMOUS FISH

1. Issues and Management Options for Diadromous Fish in Maine
Steve Gephard, CT Department of Environmental Protection
2. Role of Alewives in Native Coastal Watersheds
Theo Willis, Researcher
3. Role of Diadromous Fish in the Marine Ecosystem
Ted Ames, Fisherman/Researcher
4. American Eel Petition to List
Jacob Kritzer, Environmental Defense



SESSION DESCRIPTION:

Maine's twelve diadromous, or sea-run fish species, including Alewife, Atlantic salmon, American eel, striped bass, blueback herring, American shad, sea lamprey, Atlantic and shortnose sturgeon, rainbow smelt, sea-run brook trout, and Atlantic tomcod, face many obstacles before they can be restored to Maine's coastal watersheds. This session focuses on the management issues and conflicts (fish passage past man-made barriers in rivers such as dams, roads and bridges; physical habitat degradation, and conflicting management responsibilities); management tools, techniques and applications (dam removal, fish ladders, education about alewife and sea lamprey and other less understood fish species, and developing collaborative partnerships with stakeholders); emerging issues (American eel status review for a potential endangered species listing, and alewife restoration to coastal watersheds), and predictions for the future (future research to understand the role of diadromous fish restoration in improving the marine groundfish populations in the Gulf of Maine. One human-induced factor that contributed to the decline of the coastal cod fishery was the destruction of diadromous fish stocks by the construction of in-river barriers).

EMERGING ISSUES IN AND AROUND MAINE'S COASTAL WATERS

1. Coastal Energy Development
Beth Nagusky, Director of Energy Independence & Security, Office of the Governor

EMERGING ISSUES IN AND AROUND MAINE'S COASTAL WATERS (continued)

2. Offshore Aquaculture
Rich Langan, Co-Director, Cooperative Institute for Coastal and Estuarine Technology and Co-Director of the Cooperative Institute of New England Mariculture and Fisheries, UNH
3. Ocean Governance
John Phillips, Executive Director, New England Office of The Ocean Conservancy
4. Bay Management in Maine
Speaker TBA

SESSION DESCRIPTION:

Environmental managers, advocates and citizens need to be prepared to address management of new and changing activities in Maine's coastal waters. New technologies, world demand for seafood and the nation's burgeoning needs for domestic supplies of energy are all examples where outside forces may help to change the use Maine's coastal resources. Two recent national-level reports and various grassroots initiatives in Maine are calling for innovation in marine management or governance to better manage coastal and ocean waters. This session will cover five emerging issues related to the use and management of Maine's nearshore waters and activities in adjacent federal waters that may impact Maine.

LINKING LAND USE TO COASTAL RESOURCE HEALTH

1. Working Together for Healthy Beaches
Todd Janeski, Maine State Planning Office
2. Clean Water from Well Planned Developments
LaMarr Cannon, Maine NEMO
3. Making Clean Water Another Forest Product
Chris Martin, Maine Forest Service
4. Creative Partnerships to Preserve Northeast Creek, Bar Harbor
Brian Reilly, Maine Coast Heritage Trust
5. "Protecting Our Children's Water 2005-2025" a Regional Approach
Chris Feurt, Wells National Estuarine Research Reserve



SESSION DESCRIPTION:

Maine's coast is experiencing a period of widespread landscape change characterized by the rapid increase in impervious surfaces such as roads, roofs, parking lots, and lawns and a decline of fields and forests. These changes are having profound and often negative impacts on coastal resources. While many of the impacts of development on natural resources are understood and solutions known, our communities struggle with effective implementation. This session examines recent initiatives both in the connection between land use and coastal resource health and in efforts to achieve "on the ground" results through partnering and community based social marketing.

WATER QUALITY

1. National Coastal Assessment Data for the Coast of Maine
John Kiddon, EPA Narragansett Lab
2. Twelve-Year Water Quality Data Analysis for Casco Bay, Maine
Scott Libby, Battelle
3. Blue Hill Bay – A case study in assessing nutrient carrying capacity
John Sowles, Maine Dept. of Marine Resources
4. Trends in Sanitary Survey Results along the Maine Coast
Phil Garwood, Maine Dept. of Environmental Protection

SESSION DESCRIPTION:

This session will convey the breadth of conditions found along the Maine coast, highlighting the remarkable diversity in coastal water quality. We will provide actual data to establish water quality conditions and trends through an extensive look at two monitoring efforts. Management tools and case studies will be presented as examples of techniques used today and possibilities for the future.



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Note: ONLINE REGISTRATION IS ENCOURAGED. You may register online through the Maine Dept of Marine Resources website or go directly to <http://www.coastalwaters2006.com>

REGISTRATION FEE:
(includes lunch & conference materials)

\$35	Regular Pre-Registration
\$20	Student Pre-Registration
\$50	Walk-In Registration (accepted only if space allows)

PRE-REGISTRATION IS RECOMMENDED. Confirmation will be sent by email. **DEADLINE: Registrations must be received by March 17.** Sorry, no refunds on cancellations received after April 3. Substitutions are encouraged. Registered no-shows will be billed. For more information, contact Great Gatherings LLC at 207-622-5330 or Susan@GreatGatherings.com.

Name _____
First Name for Badge _____
Title _____
Organization _____
Address _____
Town / Zip _____
Phone _____ Fax _____
E-mail _____

I request: _____ Vegetarian Lunch _____ a Certificate of Attendance

Reasonable arrangements for persons with disabilities or special dietary needs will be made if requested before March 17. Contact Great Gatherings LLC.

AFTERNOON BREAKOUT SESSION *(please indicate your preference)*

<input type="checkbox"/> Coastal Habitats	<input type="checkbox"/> Linking Land Use to Coastal Resource Health
<input type="checkbox"/> Diadromous Fish	<input type="checkbox"/> Water Quality
<input type="checkbox"/> Emerging Issues In and Around Maine's Coastal Waters	

POSTER INFORMATION *(if you plan to bring a poster, please supply the following information)*

- a. Title of Poster _____
- b. Size of poster (height x width) _____
- c. Category of poster
- | | |
|---|--|
| <input type="checkbox"/> Coastal Habitats | <input type="checkbox"/> Linking Land Use to Coastal Resource Health |
| <input type="checkbox"/> Diadromous Fish | <input type="checkbox"/> Water Quality |
| <input type="checkbox"/> Emerging Issues In and Around Maine's Coastal Waters | |
| <input type="checkbox"/> Other _____ | |
- d. Abstract *(please provide a one paragraph description below or attach on a separate sheet)*

Please mail this form and a check or purchase order, payable to **Treasurer State of Maine**, to:

Great Gatherings LLC

PO Box 9005

Augusta ME 04338

Fax: 207-622-6228; Email: Susan@GreatGatherings.com; Phone: 207-622-5330